Syllabus subtopic: Science and Technology- developments and their applications and effects in everyday life Achievements of Indians in science & technology; indigenization of technology and developing new technology.

News: The American Space Research Organization (NASA) has completed the first 'Global Geological' mapping of Saturn’s largest moon ‘Titan’. NASA’s Jet Propulsion Jet Laboratory (JPL) has released this information.

Prelims and Mains focus: About geological mapping of Saturn’s moon and its significance

Geological Mapping: Geologic mapping involves plotting the location and attitude of the various rock units, faults, and folds on a base map.

Key observations

- This map includes sand dunes, lakes, plains, besides volcanic craters and other inaccessible locations.
- There are many differences between Earth and Titan apart from temperature and magnetic fields, but there are many similarities in the surface of the right.